L Number	Hits	Search Text	DB	Time stamp
1	2	(("6211035") or ("6211063")).PN.	USPAT	2004/07/31
_		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		00:16
-	11675	((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
		(438/629) or (438/631) or (438/632) or	US-PGPUB;	22:00
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or	DERWENT; IBM TDB	1
		(438/663) or (438/669) or (438/672) or	1511_155	
	•	(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
•		(438/700)).CCLS.		
_	5058	(((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
		(438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or	US-PGPUB; EPO; JPO;	22:01
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		†
		(438/687) or (438/692) or		<u> </u>
		(438/700)).CCLS.) and (cmp or (chemical\$2		
_	0	adj mechanical\$2 adj polish\$3))   ((((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
		(438/629) or (438/631) or (438/632) or	US-PGPUB;	22:02
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
	1	(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish43		
-	735	((((438/625) or (438/626) or (438/627) or	USPAT;	2004/07/23
		(438/629) or (438/631) or (438/632) or	US-PGPUB;	22:02
		(438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or	EPO; JPO; DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM TDB	
		(438/663) or (438/669) or (438/672) or		i l
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and dish\$3		
_	501	· · · · · · · · · · · · · · · · · · ·	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	22:02
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or	IBM_TDB	
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		1
		(438/700)).CCLS.) and (cmp or (chemical\$2)	]	
	1	adj mechanical\$2 adj polish\$3))) and		
	105	dish\$3) and (copper or cu)		0004/07/00
_	195	((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or	USPAT; US-PGPUB;	2004/07/23 22:03
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	22.03
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))		

-	174	(((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or	IBM_TDB	
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
	1	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)		
_	17		USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	_	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
	]	adj mechanical\$2 adj polish\$3))) and		· ·
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and	ĺ	!
		(polish near10 (stop\$4 or anti))		
-	0	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:05
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and	}	
		(polish near10 stop\$4)) not		
		((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or	İ	
		(438/643) or (438/645) or (438/646) or	†	
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 (stop\$4 or anti)))		
-	17	((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:10
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
1		(438/643) or (438/645) or (438/646) or	DERWENT;	
1		(438/648) or (438/653) or (438/656) or	IBM_TDB	
1		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
i		anti)))) and (damascene or trench)) and		
1		(polish near10 stop\$4)		
1	L	\E	l	i

				1 000 1 /07 /00
-	174	(((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:11
}		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
	1	or cu) same (diffusion near10 (barrier or		
ì		anti)))) and (damascene or trench)) and		
	1	(passivat\$3 ner ((((((((438/625) or		
		(438/626) or (438/627) or (438/629) or		
		(438/631) or (438/632) or (438/633) or		
		(438/637) or (438/643) or (438/645) or		
		(438/646) or (438/648) or (438/653) or		
		(438/656) or (438/660) or (438/663) or		
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or		
Ì		(438/692) or (438/700)).CCLS.) and (cmp		
		`		
		or (chemical\$2 adj mechanical\$2 adj		
		polish\$3))) and dish\$3) and (copper or		
		cu)) and ((copper or cu) same (diffusion		
		near10 (barrier or anti)))) and		
1		(damascene or trench)) and (polish near10		
		stop\$4)) not (((((((438/625) or		
		(438/626) or (438/627) or (438/629) or		
		(438/631) or (438/632) or (438/633) or		
		(438/637) or (438/643) or (438/645) or		
		(438/646) or (438/648) or (438/653) or		
		(438/656) or (438/660) or (438/663) or		
		(438/669) or (438/672) or (438/674) or		
		(438/675) or (438/685) or (438/687) or		
		(438/692) or (438/700)).CCLS.) and (cmp		
		or (chemical\$2 adj mechanical\$2 adj		
İ		polish\$3))) and dish\$3) and (copper or		
		cu)) and ((copper or cu) same (diffusion		
		near10 (barrier or anti)))) and		
		(damascene or trench)) and (polish near10		
Ì		(stop\$4 or anti)))) (copper or cu))		
-	28	(((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:26
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or		
	1	(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
	†	adj mechanical\$2 adj polish\$3))) and		
	1	dish\$3) and (copper or cu)) and ((copper		
	1	or cu) same (diffusion near10 (barrier or		
	]	anti)))) and (damascene or trench)) and		
1	1	(passivat\$3 near10 (copper or cu))	1	i

	27	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
Ī	2,	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:20
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or		
•		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or	1	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and	]	
		dish\$3) and (copper or cu)) and ((copper	•	
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4))	1	
_	3	(("6492266") or ("6528409") or	USPAT	2004/07/23
	,	("6599827")).PN.	OSIAI	22:20
_	43	(((((((438/625) or (438/626) or	USPAT;	2004/07/23
	13	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:27
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.27
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	1011_100	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))		
		(Capa4 Heariu (Copper or Cu))	1	

				1 2 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
-	38	(((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
	i	adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not		
		((((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
	İ	(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
	İ	(438/672) or (438/674) or (438/675) or		
	i	(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
	ĺ	adj mechanical\$2 adj polish\$3))) and		
1	ŀ	dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
1	į	(passivat\$3 near10 (copper or cu))) not		
		((((((((438/625) or (438/626) or		
	1	(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
	į	(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		,
[		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		<pre>(polish near10 stop\$4)))</pre>		

		,	
- 28	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
t l	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:42
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
	(438/643) or (438/645) or (438/646) or	DERWENT;	1
1	(438/648) or (438/653) or (438/656) or	IBM_TDB	
}	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
1	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		1
	adj mechanical\$2 adj polish\$3))) and		
1	dish\$3) and (copper or cu)) and ((copper		1
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	((((((((((438/625) or (438/626) or		1
1	(438/627) or (438/629) or (438/631) or		1
i i	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
İ	(438/660) or (438/663) or (438/669) or		
1	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		1
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or	1	
	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(polish near10 stop\$4)))) and plasma		

_	12	(((((((((438/625) or (438/626) or	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM TDB	
		(438/660) or (438/663) or (438/669) or	_	
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		İ
		adj mechanical\$2 adj polish\$3))) and		
ļ		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not	İ	
		((((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
	i	(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
	1	(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
	1	(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		İ
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper	-	
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		same treat\$4)		
1		Same creacha)	I	1

	12	(((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	12	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:45
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	22.45
		(438/643) or (438/645) or (438/646) or	DERWENT;	1
		1 , , , , , , , , , , , , , , , , , , ,		
	i	(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or		i
		(438/672) or (438/674) or (438/675) or		1
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		1
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		1
		or cu) same (diffusion near10 (barrier or		1
•		anti)))) and (damascene or trench)) and		
	i	(cap\$4 near10 (copper or cu))) not		
		((((((((((438/625) or (438/626) or		
i		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		İ
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		same treat\$4)) and clean\$3		
	ŀ	Dame Creacys// and CreanyD	Ī	1

	<u> </u>		
- 0	((((((((((((438/625) or (438/626) or	USPAT;	2004/07/23
	(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
	(438/632) or (438/633) or (438/637) or	EPO; JPO;	
	(438/643) or (438/645) or (438/646) or	DERWENT;	
	(438/648) or (438/653) or (438/656) or	IBM TDB	
	(438/660) or (438/663) or (438/669) or	_	
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		
	(cap\$4 near10 (copper or cu))) not		
	(((((((((((438/625))  or  (438/626))  or		
	(438/627) or (438/629) or (438/631) or		
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
1	(438/648) or (438/653) or (438/656) or		
<b>i</b> ;	(438/660) or (438/663) or (438/669) or		
	(438/672) or (438/674) or (438/675) or		
	(438/685) or (438/687) or (438/692) or		
	(438/700)).CCLS.) and (cmp or (chemical\$2		
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
į	anti)))) and (damascene or trench)) and		1
İ	(passivat\$3 near10 (copper or cu))) not		
	(((((((((438/625) or (438/626) or		
	(438/627) or (438/629) or (438/631) or		1
	(438/632) or (438/633) or (438/637) or		
	(438/643) or (438/645) or (438/646) or		
	(438/648) or (438/653) or (438/656) or		
	(438/660) or (438/663) or (438/669) or		•
	(438/672) or (438/674) or (438/675) or		İ
1	(438/685) or (438/687) or (438/692) or		
1	(438/700)).CCLS.) and (cmp or (chemical\$2	1	
	adj mechanical\$2 adj polish\$3))) and		
	dish\$3) and (copper or cu)) and ((copper		
	or cu) same (diffusion near10 (barrier or		
	anti)))) and (damascene or trench)) and		1
	(polish near10 stop\$4)))) and (plasma		
	same treat\$4)) and clean\$3) and anneal\$3)		
	and (nitric adj acid)		
<u> </u>		L	<u> </u>

		1 / / / / / / / / / / / / / / / / / / /	TICDAG	2004/07/22
-	10	(((((((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		(438/627) or (438/629) or (438/631) or	US-PGPUB;	22:46
		(438/632) or (438/633) or (438/637) or	EPO; JPO;	
}		(438/643) or (438/645) or (438/646) or	DERWENT;	
		(438/648) or (438/653) or (438/656) or	IBM_TDB	
		(438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or	1	
		(438/700)).CCLS.) and (cmp or (chemical\$2)		
		adj mechanical\$2 adj polish\$3))) and		
1		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(cap\$4 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
		(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or		
		(438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(passivat\$3 near10 (copper or cu))) not		
		(((((((((438/625) or (438/626) or		
	:	(438/627) or (438/629) or (438/631) or		
		(438/632) or (438/633) or (438/637) or		
		(438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or		
		(438/660) or (438/663) or (438/669) or		
		(438/672) or (438/674) or (438/675) or		
		(438/685) or (438/687) or (438/692) or	İ	
	•	(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (copper or cu)) and ((copper		
		or cu) same (diffusion near10 (barrier or		
		anti)))) and (damascene or trench)) and		
		(polish near10 stop\$4)))) and (plasma		
		same treat\$4)) and clean\$3) and anneal\$3		
-	601	(((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
		or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:11
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM_TDB	
		(438/663) or (438/669) or (438/672) or		
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)		
_	454	((((((438/625) or (438/626) or (438/627)	USPAT;	2004/07/23
	154	or (438/629) or (438/631) or (438/632) or	US-PGPUB;	23:13
		(438/633) or (438/637) or (438/643) or	EPO; JPO;	
		(438/645) or (438/646) or (438/648) or	DERWENT;	
		(438/653) or (438/656) or (438/660) or	IBM TDB	
		(438/663) or (438/669) or (438/672) or	_	
		(438/674) or (438/675) or (438/685) or		
		(438/687) or (438/692) or		
		(438/700)).CCLS.) and (cmp or (chemical\$2		
		adj mechanical\$2 adj polish\$3))) and		
		dish\$3) and (damascene or trench)) and		
1		((remov\$3 or polish\$3 or planariz\$3)		
L	L	near5 (insulat\$3 or dielectric))	L	L

(((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/633) or (438/643) or (438/645) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical\$2 adj mechanical\$2 adj polish\$3))) and dish\$3) and (damascene or trench)) and ((remov\$3 or polish\$3 or planariz\$3) near5 (insulat\$3 or dielectric))) and ((taper\$3 or round\$3) near5 (insulat\$3 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/31 00:16
dielectric))		